This listing of claims replaces all prior versions, and listings of claims in the
application:

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LISTING OF THE CLAIMS

1.   (Currently amended) A method of using a managed network and a video
cable system operated by a cable system provider to deliver ~~video~~ data on-demand from
~~video~~ servers operated by a content provider to a cable system user comprising:

generating a request for a listing of ~~video programs~~ data available from
said ~~video~~ servers operated by said content provider, that are not part of said cable system
operated by said cable system provider, said request being transmitted from a set top box
operated by said cable system user, through said cable system to an internet service
provider, that is connected through a managed network to said content provider, without
going through a head end of said video cable system;

providing said listing of ~~said video programs~~ data ~~that is available~~
immediately upon demand from said content provider to said cable system user, said
~~listing~~ data being transmitted from said content provider through said managed network,
said internet service provider and said cable system to said cable system user without
going through said head end;

managing said managed network to control the delivery of requests for
data and response to requests for data through said cable system immediately upon
demand;

~~generating a request for said video data from said listing of video~~
~~programs using said set top box, said request being transmitted from said set top box~~
~~through said cable to said internet service provider and said managed network without~~
~~going through said head end;~~

using a first transport mechanism that is compatible with said managed
network to transmit said ~~video~~ data from said ~~video~~ servers through said managed
network with a guaranteed quality of service that is sufficient to view said ~~video~~ data
without storing said ~~video~~ data at said head end, said ~~video~~ data being transmitted to a

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cable system provider in response to said request by said cable system user of said ~~video~~ data;

converting said first transport mechanism to a second transport mechanism that is compatible with said video cable system at said head end;

transmitting said ~~video~~ data from said head end <u>immediately upon demand</u> to said user through said video cable system using said second transport mechanism that is compatible with said set top box.

2.   (Previously cancelled without prejudice)

3.   (Previously cancelled without prejudice)

4.   (Previously amended) The method of claim 1 further comprising generating a confirmation signal and decoding information that is transmitted from said content provider to said cable system user through said managed network and said internet service provider to said cable system.

5.   (Previously amended) The method of claim 1 wherein said act of using a first transport mechanism to transmit said video data through said managed network to a cable system provider further comprises:

using real time protocol as a transport mechanism in an IP managed network to transmit said video data through said IP managed network.

6.   (Previously amended) The method of claim 1 wherein converting said first transport mechanism to a second transport mechanism comprises:

converting an IP transport mechanism to an MPEG transport mechanism.

7.   (Original) The method of claim 5 wherein converting said first transport mechanism to a second transport mechanism comprises;

converting an IP transport mechanism to an MPEG transport mechanism.

8.   (Original) The method of claim 7 wherein converting said IP transport mechanism to an MPEG transport mechanism further comprises:

separating timing data contained in said real time protocol from content data;

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converting said timing data to adaptation information;

placing said adaptation information in adaptation fields of said MPEG transport mechanism;

combining said adaptation fields with corresponding content data.

9.   (Previously amended) The method of claim 8 further comprising:

multiplexing said adaptation fields and said content data onto said MPEG transport to generate an MPEG transport data stream;

digitally modulating said MPEG transport data stream to create a digitally modulated MPEG transport data stream;

up-converting said digitally modulated MPEG transport data stream to a selected frequency channel for transmission on said cable system.

10.   (Previously cancelled without prejudice)

11.   (Previously cancelled without prejudice)

12.   (Currently amended) A system for delivering ~~video~~ data on-demand from a content provider to a cable system user coupled to a video cable system comprising:

a content server that is not located at a head end of said video cable system, and is not operated by ~~said content provider~~ a cable system provider, that provides a listing of ~~video~~ data available from said content provider and that provides immediately upon demand said ~~video~~ data that is delivered to said head end upon receiving a request;

a managed network coupled to said content server to control the delivery of requests for data and response to requests for data through said cable system immediately upon demand that is capable of transmitting said ~~video~~ data from said content server to said head end using a first transport mechanism upon receiving a request from said cable system user that is transmitted to said managed network without going through said head end, said ~~video~~ data being transmitted immediately upon demand by a plurality of first transport data streams that provide a guaranteed quality of service that is sufficient to view said video data without storing said video data at said head end;

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a translator located at said head end that translates said first transport data streams to a plurality of second transport data streams on a second transport mechanism that is compatible with said cable system.

13.   (Original) The system of claim 12 wherein said first transport mechanism is an IP transport mechanism and said second transport mechanism is an MPEG transport mechanism.

14.   (Previously amended) The system of claim 12 further comprising:

a multiplexer that multiplexes said second transport data streams onto said second transport mechanism.

15.   (Previously amended) The system of claim 14 further comprising:

a digital modulator that digitally modulates said second transport data streams, that have been multiplexed onto said second transport mechanism, onto an rf carrier signal.

16.   (Previously amended) The system of claim 15 further comprising:

an upconverter that upconverts said rf carrier signal that has been digitally modulated to a predetermined frequency channel or said cable system.

17.   (Previously cancelled without prejudice)

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